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Where the context requires, words used herein importing the singular shall include the plural and vice versa, and words importing gender shaii include genders.

Skule is a registered trademark of the University of Toronto Engineering Society. The Cannon is a publication (sort of) of the University of Toronto Engineering Society. It published at random intervals which are of. almost. directly related to. the marks the editors are receiving in their various courses. The purpose of

Cannon is announce events. faculty matters, ARE university and present current and OF THE ENGINEERING technical information SOCIETY of interest engineering undergraduates. The encourages scribble legibly (our Fleming Building hieroglyphics interpreter has left Road, us again). The Cannon is the VOLUME X. only published by the Engineering Society which is not subject to - passing communist cenorship board; the one the

SAC Elections:

Poles open on March 9th and 10th in SF atrium.

Eng Soc Elections/Referendum Vote:



AAAAAAACH!!!

Yours truly, Wayne McPhee

Toike goes through. Comments on The Cannon or on articles appearing in it are appreciated and the editors will make to every effort to ENGSOC publish such discuss material and THE OPINIONS HERIN

occasionally NECESSARILY THOSE

to Anyone interested in with The helping most Cannon is Cannon welcome The Cannon

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Letter

larships and Awards Com- outstanding. The Award mittee of the Council of the Committee was encouraged Faculty of Applied Science by the response from exceland Engineering, I would lent applicants from all like to announce that the engineering departments. 3T5 Second Mile Engineer Award for the 1987-88 Ses- Mr. McPhee received this sion has been awarded to award at the 3T5 Second McPhee, a student in House on February 10, fourth year Engineering 1988. Science.

This award is given annu- T. C. Kenney ally to the fourth year Chairman Scholarships engineering student whose and Awards Committee

extracurricular contributions and accomplishments during tenure in the As Chairman of the Scho- university are judged to be

Wayne Charles Mile Award Dinner at Hart

Sincerely yours,

Our Engineering Liaison Coordinator. What does he do?

by Sushant Verman

One of the issues in the upcoming referendum is whether or not we need an Engineerinbg Liason Coordinator. Many students don't know what the E.L.C. does and thus cannot make an informed decision. To remedy this situation and gain more information, I recently spoke with Greg Gerrie, our Engineering Liason Coordinator who has been with us since June of 1987.

The Marketting of U of T Engineers to prospective employers is the primary goal of Engineering Liason. Greg's initial contact with a company is by letter, followed up by phone calls and maybe even a visit to an interested firm; the purpose heing to abilities of the One of the Engineers. of prospective sources employers was the summer job survey completed by students early in the year. From this, Greg

obtained the names of over companies. June of 1987, he has contacted over 800 prospective employers. All this means we should see more summer, part-time, PEY, and permanent joh post-

Greg was responsible for organization of Engineering Career Day, the summer joh seminar, and the extern program. All three were very successful.

Engineering son news is posted on a board across from SF1105 and special articles can sometimes he found in the cannon. More information can be obtained from the recently distributed newletter.

Greg enjoys speaking to students at seminars and tries to get feedback through various surveys. He is looking forward to a successful referendum and I wish him the best of luck.







Engineering Liaison

Greeting from of Engineering Liaison. I hope you all had a great Reading Week and that you spent at least some of the time in search of a summer or full time job. If the skiing, sun and relaxing just happened to be a little higher on your agenda, fear not! There are still some companies hiring for permanent and summer positions through the On-Campus programme. In the Summer/Part time area, there are already 20 summer positions posted requiring Engineering students.

discussion Kathy Graham form the I was informed that the in the Career Centre major influx of job listings -Articles in The CANNON newspaper at the Career Centre occur -Engineering Liaison Newsletters in April and May. (See the -Engineering Employment Week '87 article on statistics to get -Marketing for Engineer for a Day an idea of the number of and the Extern Programme positions which will he -Summer Job Survey available.)

17 Month Statistical Sum- -Summer Job Survey '88 mary

Recently completed an extensive statistical evaluation covering October 1, 1985 to March 31, 1987. The following is a synopsis of the results of the evaluation.

1)In the first year and a half, a total of 2001 Engineering firms were contacted by Engineering Liaison.

2)In the same first year, a total of 579 positions were listed hy firms contacted by Liaison. 3)In the first year, total Permanent Employement Service listings increased form 393 to 503. (a 28% rise)

4)In the first year On-Campus listings increased from 68 to 85 companies.(a 25% increase) 5)In the first 6 months, the Engineering Referral Service

listed 136 positions and in the second year 267 positions from 235 companies.

6)The number of Part-time/Summer positions increased from 677 to 817.

WHAT ELSE HAS ENGINEERING LIAISON GIVEN YOU SINCE ITS INCEPTION?

Summer/Part-time service, -Establishment of Company Information Files

-Presentations at Club Meetings

-Engineering Career Week '87

-Engineering Career Day '87

-Presentations at EngSoc Meetings

the office -Presentation at Orientation

-Engineering Liaison Communications

-Engineering Summer Jobs Seminar '88

Pick up your copy of the Engineering Liaison Newsletter now.



Cosetta Caporella

Acclaimed

Hi, my name is cosetta Caporella, but you can call me Cosy. 1 have been acclaimed as your Vice-President Activities for Engineering Society. This executive officer s responsible for the overseeing of all social and athletic activities of the society, and is thus a member of all standing and special committees.

Faculty of Enginering, 1 have participated in committees. various devoloping the essential organizational skills necessary for the job of VP-Activities Among these Firosh class rep. Orientation Committee and the newly established Orientation Review Committee

While with the

As VP-Activities 1 would like to plan events other than

those traditionally run by the society. I hope to liven up Suds with various events such as live amateur bands. So anybody who's into jamming, come and talk to me 1 am also interested developing a liason with the Engineering Athletic Association which in the past has been somewhat of a separate entity from the Engineering Society

1 feel confident and verv enthusiastic about this position and 1 want you - the students of the faculty of Engineering - to feel comfortable with the Soc and it's officers. Our doors will always be open so that you can come and speak to us regarding ideas. guidance or anything

Remember that the ENG SOC is for you.



Brian Broda

Hi, my name is Brian Broda, I am the running for position of Vice President : External of the Engineering Society. This is a new position in the EngSoc, but by no means is it going to be an easy one.

Му responsibilities as VP External would involve overseeing all of the committees EngSoc except Social and Blue & Gold I would also be for responsible approaching OSAP to arrange a deal which would allow students get to a loan specifically to pay for

Rob Drascic

See Rob See Rob run See Rob run for Treasurer See Rob catch Treasurer See Rob Quarantined. See Rob get nasty shots That's the last time that Rob will catch a Treasurer Rob will make a good Treasurer (VP Finance) Being Treasurer is a fun position It involves money Do you want to see Rob have fun? Rob has fun with money Rob likes money Rob's favourite hobby is spending money Rob is very good at So let's make Rob happy and make him treasurer Rob says thanx since he has now been

acclaimed.

a computer from our new Computer Store. In the past 1 have been extensively in the EngSoc. This past year 1 represented you as the Treasurer of our Society.

I have also worked on the Skule Handbook as well as the Cannon. On the social side of things I have been a member of the Orientation Committee for the past two years. Many of you should also

recognize me as one of the wild and wonderful staff of Suds and the various Pubs organized by the EngSoc.

Having been involved in the Engineering Society to this extent 1 believe that 1 am qualified to represent you as VP External. To this end 1 would like to take this opportunity to ask for your support in the upcoming elections. Thanks.

Brian Broda



You are stuck with him.
Ha Ha Ha III
See Rob stop running
Rob is out of breath.
Rob is also out of room
See Rob pull out an
Eng Soc cheque book.

See Rob write out a cheque to get himself a bigger room.
See the Eng Soc in the Red.
You people are in trouble.



ELECTIONS



Keren Morehead What I say

During my year as V.P. Activities. 1 have become very involved in the innerworking of Engineering Society. Most students don't realize the number of things which have to be done when you're dealing with a corporation (In case you didn't know, the Eng Soc is a corporation.) Anyway, working closely with this year's officers. I have become aware of what needs to be done in the future. Some obvious priorities the Computer Store arrangements and lobbying the government for OSAP computer loans Another idea which has been kicking around for a few weeks is the investment by both the Eng Soc and the faculty in a room full of networked P.C.'s for students. There is also a great need to finish 'what Wayne started' this year, including our Constitutional review and Offfice Procedures Manual

There will be work to

done in reorganizing the committees (and the office) to fit in with the new Vice President structure. Lastly, my pet project: getting the SND's (sanitary napkin dispensers) fixed!!

What you hear: Blah blah blah blah blah blah blahblah blahblah blah. blah blah blahblah blah blahblah blah blah blah. blah blahblah blahblah blah blah blah blah (blahblah blah) blahblah blah blahblah blah blah blahblah blah blah blahblah blah blah Blahblah blah blah blah blahblah blah blahblah blah blah blah blahblah blah blahblah blah blah blah blahblah blah blah blah blahblah blahblah blah blah blah blahblah blah blahblah blah blah Blahblah blah blah blahblah blah blahblah blah blah blahblah blah blah blah blahblah blah blah blahblah blah blah blah blahblah blahblah blah blah blahblah blah blah blah blah blah blah



blahblah blah blah blah blah blahblah blah blahblah blah blahblah blah blah blah blah blahblah blah blah blah blah blah blahblah blah blahblah. Blah blah blah blah blahblah blah blah blah blah !!

Keren Morehead President Acclaimed

Peter Noble Acclaimed

The position of Secretary of the Engineering Society involves the recording of meetings as well as the organization of the Engineering Society's files, in addition to numerous mundane but essential tasks. I am in third year Chemical Engineering, and in my three years here I have been involved with many aspects Engineering Society.

I have been a member of The Lady Godiva Marching Band since first year and am currently drum major. I am also an arctivist for the eng. soc. so I am involved with its records. I was also a second year rep. and junior treasurer for the Chem. Club.

I am aware of all the duties required by the secretary, it requires

Francis Uv

Hi, I'm Francis Uy and I am running for the postion of V.P. External (formerly V.P. Administration).

Through the years, I have always been involved in numerous extracurricular activities. Last year, I was President of the Philippine-Canadian Stu-Association. the Premier of the Central Ontario Regional Parliament, and was on the Communications staff of the Parliament Canada. This year, I am the President of the U of T and an Executive Cabinet all aspects of the position. for the Ontario Youth Parliament.

I am currently the trial 8T9. In addition, as Communications Chairman Thank you for your supfor EngSoc, I oversee the

en thusiastic knowledgeagle student. I feel that I am qualified to

production of The Cannon, The Toike Oike, and the Skulebook, I represented EngSoc at the Regional Engineering Student Societies Association (RESSA), as well as the Student Engineering Societies Council of Ontario(ESSCO).

V.P. External promises to be a demanding position. However, I am confident that I have the drive and skills necessary to do a good job. The organizational and leadership skills that I have acquired through my numerous activities will prove to be invaluable.

I am fully aware of the commitment that is needed for this post. Therefore, if elected, I will cut back on all my other activities in order to focus on this position. I am prepared to invest a large amount of time, effort and enthusiasm.

I believe that I am the candidate best able to represent your views and ideas. I am thoroughly fam-Parliamentarians, iliar and comfortable with 1988 As members of the Society, you have the power to shape the future of Skule. Faculty Rep for the Indus- Take a moment, think about it, and vote for me. port.

run for this position.

Peter Noble



Engineering Faculty to build 'Pratt Building'

Faculty faculty access to the funds. joint project).

Mr. Pratt was from the class of 2T2 and gra- heing retained and it is duated from Civil Engineer- boped that construction ing at University of will be underway by the Toronto. He enjoyed a suc- Fall of this year. Complecessful career in the mining tion is scheduled for April industry and he died at the of 1989. age of 70 in 1969.

The donation will be used to create a three story

of expansion of the Metallurgy Engineering has received Building (the one story word from Lucille Pratt, huilding attached to the the widow of D.Lorne Wallberg Building) with a Pratt, that the hulk of his bridge to the Sir Sandford estate will he given to the Fleming Building. It will he faculty. It was originally called the Pratt Building specified in Mr. Pratt's will and bas an estimated cost that the funds would of \$9.1 million. The expanremain with Mrs. Pratt sion will house parts of the until she had passed away. Electrical and Computer However. Mrs. Pratt feels Science departments as well that the money should be as the Ontario Centre for put to good use now aud Informational Technology has generously allowed the (a U of T and Waterloo

Architects are now

A.McRuvie MECH 9TO

TTC Student Metropass 4 for 3

with the public. But this monthly mishaps.

institutions already face institutes. financial difficulties without baving to worry about the 'Better Way' but at least approximate sum of \$360 the TTC is trying to help needed to ride the TTC for one segment of its riders. the normal 8 month school Although it is still in the year.

There is a proposal, which has existed for five years, that would create a student pass. The student and full-time students. pass would cover one school term (4 months); therefore,

The 'Better Way'? For students would only need most of us it's probably the to buy 2 passes for the only way. Well, the TTC whole school year. The hasn't really tried to estimated price for one will improve their reputation he the cost of three Metropasses isn't supposed to be an (thereby covering 4 months article on public opinions of for the price of three). This TTC delays and other offers a savings of approximately \$90 for an 8 month Quite the opposite, school year. These savings the TTC might finally be will be offered to any fullshowing that they have a time student of Metropoliheart, at least to students. tan Toronto universities, Students in post-secondary colleges, and vocational

> Perhaps it's not the proposal stage, the feasihility report indicates that this idea offers the best solution to both the TTC

> > Alex Rocha



Fourth Year Pledge

To All Fourth Year Stu- he beld in mid-March. dents Hear Ye! Hear Ye! Hear Ye!

TWO (count 'em) round delivered before the Grad trip tickets to London Ball. (England, not Ontario), good until the end of 1988. pledge cards are not legal To qualify for the draw, all contracts. Instead, they are you have to do is fill out a an indication of your wilpledge card and return it to lingnss to support the stuyour club chairman by dents who follow in your

As well, the Engineering Alumni Association will The University bas donate two cases of bubbly interesting and fun, the just announced the grand - one to the class that has real issue is your social prize in the Leaving Class the bigbest per capita conscience (yes, you do Pledge Contest (or as they pledge and one to the class have one!). Please listen to call it, the Graduating Stu- with the bigbest rate of it closely and carefully dent Gift Contest!) It is particiation. Both will be before March 4th.

Keep in mind that Good luck to you all, March 4th. The draw will footsteps - just as alumni

supported you while you were bere: \$502,000 was given by alumni to Skule in

While the prizes are

Malcolm McGrath

Assistant Dean Alumni Liaison



Real Music

The records in this review aren't necessarily new, but since the last record review in the Cannon seems to have predated modern music, I think I'm pretty safe in assuming they haven't been written up hefore. My own personal tastes range from the flawless offerings of David Sylvian to the world's oldest punk, Iggy Pop, with a lot in between, and I hope to be able to introduce some albums that aren't quite "mainstream". If you want to hear about the latest release from David Lee Roth or you want to know what's hot in rap music, don't waste my time or yours; you can tune in one of those hland AM stations, fill yourself with generic funk and ignore these reviews.

Sinead O'Connor The Lion and the Cobra

alhum two months ago and was spellhound. Just harely discovery and uneasiness twenty years old, Sinead are a welcome change from has released one of the mindless dance floor pop. most unforgettable debut alhums I have played; she Red Lorry, Yellow is not, however, new to the Lorry music scene, having worked Paint Your Wagon with the Colourfield and The Edge. I will admit that I do not usually think exams, a friend of mine

and chills me to the bone. The sound is reminiscent of that is hest played loud,



an alhum that reveals more Put away your namhyand more with each play, pamhy Bruce Springsteen I first heard this one still experiencing life on our level, the songs of

In the middle of much of female vocalists, leant me an inconspicuous looking cassette With the exception of assured me it was just what Annie Lennox's distinctive I needed. This is THE voice, I find the Madonnas, album to play when you're Belindas and Bangles of the at wit's end and still have world to he little more than three more hours of quanvideo filler. But this is a tum physics to plod voice that hoth seduces me through. This is good music

early Kate Bush, with a not loud music that is hest more layered texture. This not played. This is an is emotion that stays with alhum that you can he you long after the song is proud to own (my friend over, and it is backed up informs me it is nearly with exceptional music that impossible to find, so if you from haunting do, be proud . .) The music heavy guitar work on some living in hell, the lyrics are of. Become a "back"-man One can tell they actually Scottish accents, this is a of the more abrasive tracks. simple to the point of being With lyrics that intertwine non- existent, and the

illusion and allusion, this is action is fast and furious. As music written hy some- and Van Halen. Play something so unique, you'll swear you've had an outof-body experience (or a frontal lohotomy).

> The Razorhacks Go To Town

Are you tired of the uninspiring flood electro-pap that has heen trying to de-sensitise your ears to real instruments played hy real musicians? For quite some time now, I have heen searching for a record to fill the acoustic chasm that has developed over the last little while. The Razorhacks, I can proudly say, have filled this gap supremely. Upon this record, there are no electric, electronic or digitised "instruments". It's all real kick-ass music. A double hass, a drum kit, and for conversational Scottish, stands out as THE cut hut acoustic guitars dominate, hut Angus Crock could there are many other with attacking cow-punk never be so deep. Two extremely notable songs as vocals. It's just good plain hrothers comprise the Pro- well. If you like earthy fun that everyone should claimers and they succeed music, acoustic instruments enjoy and become a part at most songs they try, and you're a sucker for (or woman). This Toronto enjoyed the recording pro- grrreat grrreat record for band deserves all it can get. cess, but one hopes that you.

In Review . . .

by Steve Furguson

Concert Scene

Feel it rising in the cities, Feel it sweeping over land, Over horders. over frontiers. Nothing will its power withstand

The words take on new meaning, foreshadowing the universal appeal of Sting. He is a man that can take an audience of 16,000 and hold them in his hand for almost three hours.

seen Sting in concert since he went solo, I knew that I would not be disappointed if his second alhum, "Bring On the Night" (a live accompanied only hy his I have never heard the Gar- audience. dens sound this good. From the opening hars of "The the evening was the Lazarus Heart" the band showed itself to be one of thugs posing as security tightest ensemble groups in the business.

from the recent alhum "... being the typically polite Nothing Like the Sun", audience of the 80's, we 'Dream of the Blue Tur- did. I was surprised, on tles" and his live album, as more than one occasion, to Me" from his days with the floor dancing to the music Police.

every word that came from their seats. What haphis mouth. Whether he was pened to the audience giving us an impromptu energy of the original Police lesson in inusical time picnics? Perhaps they were before "Straight to My waiting for Sting to tell Heart" or calling our bluff them to dance.

when 16,000 cheered at the mention of his first concert at the Horseshoe Tavern in front of fifteen people, the audience loved it. The catcalls and swooning of the female members of the audience did get rather nauseating, however, especially when it ruined "The Secret Marriage".

After closing the regular set with a version of "Little Wing" that left the audience wondering what had hit them, he returned field requests. Although I had never Apparently many people listened to the Amnesty International concerts, as he played "Roxanne" and "Message In a Bottle" alhum) was any indication. acoustic guitar and the

The only sore spot of hehaviour of the hired guards. They had the nerve to tell us when to sit Sting hlended material and when to stand, and well as "King of Pain" and find that my friends and I 'Don't Stand So Close to were the only ones on the while everyone else in our The audience hung on section sat motionless in

The Proclaimers This is the Story

they won't start taking themselves too seriously too This could be a record soon. Letter From America Coming Soon...
Grad Ball



Hotel

THE THURSDAY EDITION larsit



WOULD YOU VOTE FOR MAN???!!!

A word from the LeBlanc /Lacy Campaign

Vote I'm sure that that's a word that's been screaming at you from posters as you walk to and from classes, and assaulting you as you run into one of the many candidates who've been swarming accross the campus for the last several weeks asking for your support The question why bother? As a candidate for SAC President, I'd like to take the time to try to answer that providing question

I feel that SAC, which events with college takes about \$50,000 of Engineering Student's money, has a duty to events to occur SAC respond to the needs has the resources, it of the students it was should be committing created to serve. In them

Brian Lacy and I have production proposed the following and cost initiatives, which we're SAC committed to putting SAC into effect:

1)Open administrative

Eng Soc as well as left other campus groups This will allow the Society and others the use of such facilities as SAC's laser printer We feel this is a service that SAC should be. and is capable of,

2)Co-sponsering

and faculty councils and allowing more

order to help SAC 3)Steps have already accomplish this goal been taken to help the

of datebook. directory goal however, still presents responsive out those who included had incorrect numbers Sincerely, Through consultations Dominic LeBlanc with the company that prints the book, I've developed a system that will ensure that all students (including those in residence will have correct phone numbers printed, and

These are just some of the initiatives that Brian Lacy (my Vice Presidential Candidate) and I are committed to

will be included

schedule, in the year ahead I the hope, that with your The help and support the of the a problem This year accessible SAC can be nearly 20% of all reached It is for this services of SAC to the U of T students were reason that I ask you the to vote LeBianc /Lacy directory and many of on March 9th and were 10th

far away God created Penguins And he saw that it was good So God left the Penguing in the Garden of Eating But He warned tham not to eat the frozen Walrua burgers Of course, they did So God banished them from the Garden of Eating and put them in Antartica And for years they have sufferred the hardships of living on that cold block of ice The phiphtif party would like to know if you think that this is fair. We don't think so That's why we have decided that when we are elected to SAC we will airlift these poor crestures up here to the Hart House pool where they can be warm all winter

This is the major concern of the Phtphtff party. Who are we Even we are not aure Well the Presidential candidate ia

cont pg 10



Letters

Can the Artsies be and saved... realiv who cares?

Can You Bullshit? Tell Tall Tales? Then the Vharsity Needs You!!

A Reply to Alison-Louise Bruce (Varsity, I really think she likes me 04/02/88)

patient. We have to be, do..". Oops. Well, maybe if since we are endlessly pum- I try the library. melled with mind-numbing

day morning to relax before and staircases. my first class. Then I read page ten of that paper that described as the last resort attempts to be the voice of for the campus.' In the article, individualistic-intelligentsia. the author states that This was obviously the the Engineers, in words of even looks like a place one syllable...". My pati- where interesting ence congealed in my smart people would inhacoffee. My day was a loss bit. because of the feeling of disgust that permeated my around the staircases for a

That was why expedition into the heart of However, no one was talkmunication. I reread old people reading textbooks, I Also, I followed the many attempts be innocuous as possible.

The first place that was recommended was the University of Victoria (known by plebecites as Vic). I immediately noticed the large number of intellectuals, easily identified by their long hair and large labels on their clothing. The halls buzzed with intellectual conversations. I sidled up to a group and listened carefully, hoping to hear someone revealling the secrets of Kant, or perhaps even Vonnegut.

"Like, well, you know, because she said she really Engineers are very likes, well, all the groups I

The library might be work. However, there are the haven for the intelleclimits to our endurance of tuals since they wouldn't Artsie attempts at sarcasm. let me in. Oh well, I can't After a long weekend let one little set back stop of problem sets and formal this important research. lab reports, I stumbled into Next is the building with the Arbor Room on Mon- the interesting gargoyles

The college radical-...someone could explain to right place; the building

After wandering few hours, I located a small I study room that looked full decided to mount an of intellectual Artsies. Artsie intellectual areas to ing. After an hour of sitfind out their level of com-ting in a chair watching guidebooks to find out attempted to start a where top echelon of Artsie conversation with someone intelligence could be found. next to me. All my were fruitless fashion guides so I would until I mentioned I needed

> "Oh. Come on, let's go to Reznikoff's." said the intellectual. Success at last.

I had heard that Reznikoff's was the last bastion of intellectuals but had not believed it. After hours of sitting, I was ready for an in-depth conversation, composed of words containing more than one syllable.

'Please let moronic Engineer hear a real Artsie- intellectual

dialogue", I whispered under my breath. I was not disapointed. We discussed the current trends in intellectual status symbols. I learned about the relationship of label size to the desirability of the person wearing the clothing, as well as how trendy black clothing is. Enlightenment at last.

I also was told by an intellectual how he had skipped all of his classes, never bought any textbooks, and had still pulled off a remarkable 87%. The Artsie intellectuals are obviously geniuses to be able to accomplish that. The same person also said his parents had already bought him a BMW.

Unfortunately, it looks like this remarkable breed of intellectual is also dying out. We sat for hours in the pub staring at the women dancing with each other. The intellectual complained that he couldn't get a girlfriend even though he had grown his hair.

I left and resolved to set up a fund to help buy the Artsie intellectuals more clothing and accessories so there would always be people who can communicate in words of more than one syllable.

Yuri Kuzyk



RYAN/DRASCIC CONTIFROM PG 9

Tim Ryan, a third year arts student and Vice-Presidential candidate Robert Drazcic, a second year Mech Eng and publishur of the Torke Orke

Since Rob is the Torke publishur he is usually a drunken sexist pig But not as sexist as the Women's Centre Do they support a He-man's centre? No Another point that the Phiphtff party wants to raise about sexism is the practise of the campus post service to deliver mail Both Tim and Rob anxiously await the delivery of females The day that Rob finds a female delivered to him is the day that he supports the WC (ever notice that WC also stands for Water Closet I guess it's appropriate since they're both usually full of shit) All lot of people have been calling the Ryan Drascic Ticket a joke Well they are But they very seriously want to loose this election So do want you can to prevent AIDS Abstain. From voting that is

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2:56 ... Bunk!

WHAT'S THE MEANING OF LIFE? ... WHERE COME FROM ? .. WHERE ARE WE GOING ? ...

WHY DOES THIS COMIC STRIP NEVER MAKE SENSE?



Stephen Dobson

Fellow Engineers:

It's There's Eng. Soc. elections the services committee. and Governing elections and Presidential elections, and more. There is one election campaign that doesn't seem to have alot of momentum considering the nine candithe five available positions.

I'm one of those people you might not have seen posters for yet, but that doesn't mean I'm not

Shaibal Roy

How well thought about this issue, I made reluctantly realized that representatives wasnot all represented Student's engineering even know the names of taking amongst the largest and COMMISSIONS,I best school in the country, it's engineers are the about time that were given S.A.C.III the actual role of the S.A.C. representative. If elected to theS.A.C. Board of Directors, I shall endeavour to present in the mosteffective efficient manner possible, many views and opinions of the faculty. To make certain that

the faculty is

my work, I

interested in winning my seat back again. Last year I was acclaimed to a position on the hoard, and was primarily involved with the election university affairs committime...again? And the walls tee, but also managed to do are more poster than brick. some odds and ends with

Being a SAC rep means, for the most part, representing The Profesattending meetings Faculty Engineering's Interests, and dates that are running for getting money allocated to been allocated funds. The appropriate activities, and board, after dehate agreed not to others that don't that the LGMB held a fine interests.

> During my term this spirits. year, I had the pleasure of introducing a motion to SAC, I was elected as class allocate money to the representative LGMB, that passed ahout Engineering Society.

is prepare a report that engineeringrepresentedat will describe in detail the the S.A.C.?Since I first progress that has been bv vour engineering faculty dealing with issues such well as the purchasing of the more modern lab equipment. Administrative Council reportshall be published Let's face it, how many in "THE CANNON", where I students am an editor. part in the current activities the engineering reps at the EXTERNAL, SERVICES, and Being UNIVERSITY **AFFAIRS** will most prolific faculties in establish the authority the University, as well as of this faculty as being engineering second to none. we and brightest people at our the UofT; let's make sure money's-worth from the that S.A.C. gives us the This is respect we deserve.

> ROY WILL SMASH ALL BARRIERS TO BE THE BEST SAC REP!!!

and ON MARCH 9TH AND MARCH 10TH VOTE

SHAIBAL ROY intend to FOR ENG SAC REP

aware of

Engineering

SAC Reps

of was ruled uneligable for Project Aid this year, where previously they had students' tradition of promoting school spirit and Skule(TM)

> Prior to my year in for

Anyway...before gets too long I'll sign off after I remind you there are five positions available for SAC rep, and I'd appreciate it, and hopefully so will the upcoming election on March 9, 10.

> Thanks. Stephen Dohson

Boaz Brickman

Do you know the names of the current Engineering SAC representatives? I don't, and that's why I'm running. While that a significant portion of the SAC coffers is filled by monies contributed by order to derive the maxrepresent ENGINEERING. I shall endeavour to state our position, clearly and concisely, on the many nized as having the most 1991169 which addresses.

Most campaigns are waged on the battle cry "accessibility and communication"; personally I have sity seen neither this year. representation on SAC will you, if you vote for me in Rather than having students go to SAC, our representatives prepare statements detailing activities and causes which are worthwhile for I'm BOAZ BRICKMAN

Engineers to get involved in. In addition to this, I shall prepare a column for each CANNON outlining current and uncoming SAC sponsored events.

SAC also acts as a we enjoy poking full at lobby group, lobhying the SAC we must also realize government for additional funding. By participating on the External Commission, I shall lobhy for spe-Engineering students. In cial funding to upgrade our lah facilities. By showing imum benefit from our con- our technical prowess to tributions, we must have the government and remvocal representatives sitting inding them yet again that on the Board of Directors, we have to hest Engineer-If I am elected to the Board ing program in the country, of Directors of SAC to perhaps additional special funds can he allocated towards upgrading our labs.

> We are already recog-SAC spirit of all campus groups, now let us show the rest of the University Community that we are also concerned with the way this Univeris run. demonstrate this.

should SCITE ET STENUE





89.5

UNIVERSITY OF TORONTO COMMUNITY RADIO

YOTE YES FOR CIUT-FM 89.5 INVEST IN THE FUTURE

What Childish Needs Do You Have?

There will be a public meeting to discover the child ish needs on the St. George Campus
Thursday, Feb. 11, 7:30 pm
rm 214 OISE

Come and hear Mr. Rogers and representatives from Scarborough and York discuss this issue.

Call555-2391 for more information *Child provided

Censorship Conference

Thursday March 17

Develop Skills for University Life and the Real World

No Opening Session

No Panel Discussion

No Forums



Nudity Awareness Week

March 14 - 18

Watch for it

U of T

Whore House

Every Thursday Night 8:00 - 11:00

Cover: \$2.00 - Coffee, Tea, Etc.

Entertainment:

bassoon/saxophone

ORGAN RECITAL

March 16

Many Organs to choose from or bring your own

For more information contact SIC

SIC FREE FILMS

Mar 18, 19 Deep Throat Mar 24, 25 Debbie Does Dallas

Thursday - Erindale - rm2072 5pm Friday -Scarborough - rmS319 7pm Sat. -St. George - Med.Sci. Aud. 7 pm

Need more information?

TOUGH

The CANNON

Everywhere



Sac sucks????????????



Seal bashing at Med Sci



Finding the underlying secrets in Versa



Enforcing Bill C-54



Find new uses for old computers

total With this added



Amnesty International

N.Vera MECH 9T0

nationwide state of emer- Hilton Gola under the Africa. South thousands of arrests soon followed. Though many prisoners were eventually they were rearrested after the state of emergency was reimposed this case since the release of on June 11, 1987.

The state of emergency regulations permit members of the security forces to detain anyone incommunicado without charge or review for 30 days. Then, the Minister of Law and Order may extend the detention indefinitely. The police and security forces are also granted legal immunity for any acts commited during this state of emergency. This is being used as an excuse to abuse the prisoner's rights.

Ndumiso Hilton Gola was arrested in KingWilliamstown on June 14, 1987, hut the reasons for his detention are not known to Amnesty International (AI). He is heing held indefinitely in Fort Glamorgan Prison, London. National Medical and Dental Association conducted an investigation on the conditions in this prison and has raised some serious concerns about overcrowding. poor food quality, and inadequate medical care. AI is also concerned about reports of torture and illtreatment of the prisoners.

Al's Group 83, at the help them.

University of Toronto, has On June 12, 1986, a taken the case of Ndumiso was declared in status of single investigaand tion. He is not considered a prisoner of conscience (POC) hecause it is not known if he has used or advocated violence. Group 83 has been working on their last POC. Sikumhizo Alhert Magadlela, October 1987. The POC coordinator Marian Ehsassi has sent two letters to the family of the prisoner hut has received no response. It is not known if the family has received the letters or is under political pressure to ignore them.

Group 83 has also started a postcard and letter campaign throughout the campus. The postcards may he picked up at the colleges and the letters are heing distributed among professors in hope that the South African government will he impressed hy our concern upon receiving

Ndumiso Hilton Gola is just one of thousands of prisoners being detained under the state of emergency in South Africa, and just four months hefore the anniversary of the reimposition of the state of emergency it will be interesting to see if the prisoners will once again be released only to later be re-arrested. If that happens, they can he sure AI will he there to

Computer Store

Just what are these organized engineers up to ? Doesn't knowing that the EAA office has been relocated stir up a few questions? It certainly should.

In the planning for over 6 months and now as reality, is an Engineering Society fully-owned Engineering Computer Store equipped to meet the computing needs of all university

students

The planning was by no means hasty in that the final decision to sell Philips' computers been well researched and best represents the students' needs Committee Chairman. Melnyk's primary goals were to supply students with a quality machine and peripheral configuration at. minimal cost. The

Computer Committee settled not only on excellent quality and

cost for the students but also on excellent service and support.

Originally, the Computer Committee wished to negotiate the selling of Philips' computers through a third party vendor, such as the Computer Store located in the Koeffler Centre This. however, was deemed not beneficial for the students because in general. high store overheads would result in an

margin being charged per computer. operating Engineering Computer Store in an already established premise. the cost of selling the the computers students would held to a minimum.

Thus, the Engineering Computer Store was born

While in Montreal recently. folir committee members met with leaders of computer stores to gain some insight into their operations The two stores in Montreal, COOPOLY and COFIO presently Ouebec - students with affordable computers and peripherals In 1984, COOPOLY, a

co-op set up by Ecole Polytechnique students, was formed so they could market a good computer at an affordable price. that time, they also Philips chose the computer for the students To make the purchase more attractive and easier for students, COOPOLY approached the Ouebec Government student computer loans but was rejected because they were too small an organization They continued their regardless, operation and sold computer to students at affordable price

In 1985, six other Quebec universities became involved and subsequently formed COFIQ, which represents seven

strength, COF10 and COOPOLY aproached the Government and succeeded in obtaining a student computer Although COFIO and COOPOLY split forces in August of 1987, both organizations supply the student market. SARTH approximate sales of 2000 PCs in 1987 It is hard to alone imagine what would have happened if U of didn't take progressive measures to ensure that students

may buy affordable

PCs and become PC

before

they

aware

graduate The structure of organization at Engineering Computer Store will be similar to that of COFIO COOPOLY, however, on smaller scale Yearly. vice-president will be elected to the Engineering Society who will oversee the Computer Store operation To help operate the store, a Computer Committee will also be elected annually SO as to ensure Store's smooth success full-time manager will operate the store daily providing both sales help and on-site service.

As time passes, little doubt remains that the Engineering Computer Store will be able to meet all of the our students computer needs. Don't let this fantastic arrangement pass you by from Selby Engineering Computer Store Manager

Engineers vs. the MICE

It was Friday February 5, 1988 at 2 p.m. at Varsity Arena. It's a story of Mice and Men (men meaning men/women). If you didn't make it to the hockey game of the year, you really missed out (it was even better than seeing the Leafs win!). Our star studded cast of young men/women hockey players cast a gloom over the U of T Police Force as we slipped past them 11 to 10! Like, we should go to the Olympics, eh?

In three periods of total (like totally) excitement, the lead changed hands more than once names in French (or I think it was French!). There were only two penalties the whole game which is absolutely amazing for noncontact hockey!

Oh, yea! We played the game for the Daily Bread Food Bank and the players, the LGMB and the fans (one or two) collected two full boxes of food for the cause. We've been challenged to a re-match already so keep your eyes open for ads and don't miss out again.

Keren Morehead

P.S. Hey Wayne...nice undies and where did you that suit ughhhhhhhhhhhhh!!!!!!!!!



Broomball

engineering mostly of hockey players, the finals. Their enthusiasm and Ron Uba for their The keeping the LGMB busy women participated in the With brooms and running as not enough to win coaching expertise at the playing every time someone Department of Athletics shoes, the team took to the against these seasoned predawn hours of the scored. The reffing was annual broomball tourna- ice. Careful strategy and veterans. Next year, with morning. Any fans at our pretty good except for a ment on January 29th at shear insanity helped the experience behind them, morning games would be few calls where our faithful Roberts Street Arena. The team win 6-0 over Univer- the team will be back to appreciated, as well as a coach called the referee rookie team was composed sity College, and 2-1 over challenge.

Hockey

Debbie Yanchula

The women's engineering hockey team is having its best season yet. The team is undefeated in the new year with a 9-1 and 6-0 win over St. Mike's. The record for the season is 5-1-1. There was an all around effort displayed in both of these games. Goals were scored by Mary Nash, Barb Smith, Yana Mladand Klimaszewski. With the fearless goaltending of our Keren-Karen team and the 'gelling' of the team we forward playoffs. With four regular season games left, the team Erindale College. The team has secured a playoff posimet a team consisting of tion. A special thanks to varsity hockey players in our coaches Terry Jones





NGSOC

Appointed Positions

There are a number of appointed positions available at the Engineering Society. Nomination forms are available from Joyce in the Eng Soc office. Nominations close Tuesday March office. Nominations close Tuesday March 22, 1988 at 12:00 noon. Voting will take place at the Joint Council Meeting on Tuesday March 22, 1988 at 5:00 p.m. The following positions, followed by brief job descriptions, are the available appointed positions. You do not have to be a class rep to run for these any of positions. While these positions are a great way to get involved and look great on a resume, it is hoped that people will run only for a position in which they are interested and to which they are prepared to dedicate enough time to do the job well. If you are interested in any of these positions and reguire more information, come will run only for a information, down to the come down to the Eng Soc

down to the Eng Soc during lunch and ask around. (Start with Joyce.)

Suds Managers (2)-Responsible for running the weekly Friday afternoon SUDS Pub. This includes doing a weekly inventory of the beer inventory of the beer locker, ordering more beer from CBS. keeping the books the for pub, providing music at the pub, and running bi-occasional events such as euchre tournaments. darts tournaments, the dating game, talent dating game, talent contest etc. Besides Fridays, SUDS pubs are also run every night during Godiva Week (second week in night during Godiva Week (second week in January) and several times during during Orientation.

Reguired to produce Activities is unable Skule Nite, the to accept. musical comedy revue. If you have to ask Archivistyou shouldn't run for Responsible running for producer. as

Engineering Engineering Society Faculty. Book Store as well as the Responsible for responsible the Stores.

overseeing running of the material

Women's for organizing and illegally bad taste. running the Women's Committee. Previous: Cannon Editor - This

Computer the previous experience the Faculty.
on the Computer
Committee is Yearbook

position is filled by the Vice-President Activities and is offered to others
Skule Nite Producer-only if the V.P.

for producer. It is supplying the recommended to be Engineering Archives the involved in a with material from production of Skule present activities of Nite first, before the Society as well searching the Archives for comic strips starring Eng Soc Book former Stores Manager- presidents who are Looks after the now prominent staff running of the members in the

doing the books for Toike Oike Publishur Stores. - This hearty soul is signing cheques for making sure that the Oike Toike is published b1-Engineering Computer occasionally during Stores Manager- the school year. Responsible for This involves finding the editurs, delivering to the Engineering Computer printers, and Store as well as distributing Toikes looking after the all over campus, Engineering Computer including Urindale Store's books and Scarberia. This as a commission. If Experience on the also includes being a you are not willing Computer Committee is member of the Toike highly recommended. Oike review board to prevent the Torke Committee from being sued for Chair - Responsible printing material in

years' activities person edits the include a dinner, a serious rag put out wine and cheese, by the Engineering group discussions of Society, the Cannon. issues affecting This job can be women in engineering handled by one You do not have to be person or, if you're a woman to run for joined at the hip, this position. two will do fine. This journalistic Committee classic should Computer Committee classic should Chair - Responsible include articles for overseeing the about Engineering running of the activities such as Engineering Computer Athletics, BFC Committee. Once capers, Godiva Week, again, due to the Orientation, special involved nature of awards, or just about position, anything going on in

Editor-Orientation Committee you're a lower year

running the September you then by all means Orientation. get Involved
Traditionally this production of the get involved in the Yearbook.

> Handbook/Calendar Editor - Responsible

for the production of the Handbook/Calendar that is distributed at Orientation to the incoming F!rosh This job, class. therefore, place over the summer and requires someone who is adept at flagrant plagiarism as most of the necessary material is already available fram previous editions.

Ads Manager - This

person is responsible for procuring advertisements all of the engineering publications mentioned This job requires limited intelligence but a lot of persistance. The job is not without its rewards, however, as the procurer of any ad receives ten percent of its value to put in the time required to fulfill the obligations of the position, please don't run as the income provided by the ads is essential if we are to continue to provide high guality Engineering publications.

Project Regional Editor-Your guess is as good as mine. Still, it looks impressive hell on a resume, especially if you're thinking of switching into journalism.

Speaker - Being able to speak is not the only requirement of this job. A working knowledge of the fundamental rules of essential to do the Edits the Yearbook. Bourinot's) generally job right. Some experience a used for meetings is definite plus but if highly recommended. order (Robert's, highly recommended. Previous experience Chair - Responsible student and this sort running meetings is for overseeing and of thing interests also a definite asset. Committee Descriptions

Rep

Responsibilities 1. Check mailbox frequently. 2. Announce events to your class. 3. Sit on at least one committee (will be monitored) 4. Attend all Eng Soc

Meetings (Miss two

and by-election held).

5. Only Class Reps can

run for Committee

Chair positions.

Class

Class Rep Election Schedule March 14-18

Monday March 14th 10-1 Iam-INDII RS208 -NY11 MB128 11-12am-CHEM11 **WBI16** 2-3pm-CHEMIII SF1105

Tues. March 15th 10-11am-MECH111 MC254 2-3pm-ELECIII GBI20 3-4pm-IND RS211

Wed, March 16th 2-3pm-MECHII MC252 3-4pm-CIVIII GB248

Thurs, March 17th 9-10am-CIVII GB220

Friday March 18th 9-10am-NYIII GB244

T.B.A. Geoli and III ELEC11 MMSII and III Blue and Gold:

The Blue and Gold Chairman responsible for running Godiva Week January (This includes Chariot Races. Fluid Flow Labs, etc.) and also for building and organizing the Homecumming Float. You need to be a spirited. fun-loving kind of person to run for this position!

Prof. Dev. This Committee responsible for organizing speakers also sends representatives to the various conferences/parties (CCES, RESSA, APEO, etc) The chairperson also

(Ontario Engineering

entrants from U of T

OFDC

Competition)

co-ordinates

Design

High School Liaison chairman co-ordinates tours. Openhouse workers. and trips back to high schools to talk about U of T and Engineering.



Communications This chairman responsible for overseeing Engineering publications including the Toike. The Cannon, the Skulebook, and the Handbook/Calendar.

Fourth Year The chairman responsible for the organization of Grad Ball, Iron Ring(with help from club chairmen), awards for years. the permanent executive, and any fourth year class function. They will also attend Alumni Executive Council Meetings.

Employment This chairman serves as a liaison between students and our hired Employment Liaison Co-ordinator at the Career Centre. They will organize the Job Fairs, Career Week. Seminars on how to find a job and meetings between students and interested employers from industry

Social. The Social Committee organizes things like the Cannonball, major pubs, Oktoberfest, the Outhouse Race etc. Also needed. fun-loving individual

Committees Elections Election Schedule

You are only eligible to vote if you have signed up for next years committee

Monday March 21st 12:10-Blue + Gold 12:40-Social 1:10-Prof. Dev. 1:40-H.S. Liaison

Tues. March 22nd 12:10-4th Year 12:40-Employment 1:10-Communications

Joint Council Meeting

Toronto Engineering Society's annual Joint Council Meeting will be held Tuesday, March 22, at 5:00 GB p.m. in 202 (Council Chambers). The purpose of this meeting is to rid the society its present crop of Officers, Committee Chairs, and Class Reps and to swear in the new batch of Officers, Committee Chairs and Class Reps. A schedule of class rep elections for all second and referendii deal with third year classes be found in this elsewhere The other Cannon. major function of this meeting is to elect the appointed quality of education positions. The Joint Council Meeting should be attended by all (present and your future) Officers, Committee Chairs, and referendii are about Class Reps as well as and to come out and anyone nominated for vote and express your an elected position. opinion. Coffee and donuts descriptions of both will be served and of these referendiatendance by all can be found concerned would be elsewhere in this very much appreciated. Cannon.

and Referendi

The University Toronto Engineering Society's annual will be elections held on Thursday March 10 and Friday 11, March between 9:00 a.m. and 5:00 p.m. A valid Engineering Student Card is required to The following vote. positions may be contested than one person is nominated for them):

President Vice-President Administration (V.P. External) Vice-President Activities Treasurer (Vice-President Finances) Secretary

Engineering Athletic Association President

Along with the above-

mentioned contested positions, there will also be two referendums (referendii) contested at the same time. One referendum deals with the Engineering Special Fee and the other one deals with Engineering Employment Liaison. Both of these YOUR MONEY so if you care about 1) how * much your fees will be next year and what this money will be used for, and 2) the and services that will be available to you, then it is in interest find out what these Detailed

Referendi

Notice of Referendum

Engineering Student's Temporary Educational Levy

"Do you support the collection of \$100 per year per student fee for the next two years to be used as a special educational fund which will be controlled jointly by the Engineering Society and the Dean of the Faculty of Engineering under the condition outlined in the Cannon dated Feb 5."

Yes _ No _

The temporary ducational levy ntended to replace, in part, the \$100 incidenal fee which was disallowed by the Ontario provincial government in the summer of 1987. The conditions referred to in the referendum question are written out in the following "Proposed agreement". At present these conditions are a rough draft. The final conditions will be published in The Elec-Cannon which tion should appear early in election wcek. Please read the agreement and watch for more information on the implications of this levy. This referendum will appear on the ballot of the Engineering Society elections. Polls are open on Thursday and Friday, March 10th and 11th.

Proposed Agreement

Preamble

On behalf of all students full-time registered in the Faculty of Applied Science and Engineering, the University Engineering Toronto Society proposes that a temporary Educational Levy be levied upon full-time undergraduate students registered in the Faculty of Applied Science, subject to the following eight provisions:

Provision 1

The amount of the temporary educational levy shall be \$100.

Provision 2

- a) The term of the temporary educational levy shall be a maximum of two years.
- b) These years shall be the acedemic school years of 1988-89 and 1989-90.

Provision 3

The educational levy shall be reviewed by the Engineering Society Council in the spring of 1989 and again in the spring of 1990, Review shall consist of presentation to the Engineering Society Council of the expendiwhich tures liave occurred in the acedemic vear.

Provision 4

Each department shall, with advice from their students, request expenditures from the Educational Levy fund

through the Dcan of the Faculty of Applied Science and Engineering. for Authorization expenditures shall be made jointly by the the President of Engineering Society and the the Dean Faculty.

Provision 5

The temporary educational levy shall cease to exist after the 1989-90 school year unless the levy is continued by an agreement of full-time undergraduate students by referendum.

Provision 6

The temporary educational levy shall be used to purchase equipment which will enhance the quality of education in the Faculty of Applied Science and Engineering above what is normally provided.

Provision 7

The temporary educational levy shall be collected by the University of Toronto with all regular fees for the 1988-89 acedemic school years, and shall be passed to the Engineering Society in a separate bank account.

Provision 8

The nature and implementation of this agreement is absolutely contingent upon all of the preceding provisions.

The Engineering liaison Employment shall be referendum featured on this year's Society Engineering election ballot. Polls are open Thursday and Friday, March 10th and 11th. This position was established three three years ago, and is subject to review this year. The original lee was nineteen dollars and twenty-five cents. However, inflation and an increase in the responsibilites of the employment liaison have led to increased costs. Greg Gerrie, who is our present employment liaison, is an employee the Engineering of Society who works out of the career centre.

Notice of Referendum Engineering Employment Lizison Referendum

"Do you support the collection of a \$25. per student fee for the next three years for the conthe tinuation of Employ-Engineering ment Office which has the mandate of increasing the number of summer, permanent and Professional Experience Year jobs for U of T Engineering undergraduates?"

Yes_ No_

Undergraduate

Awards

The following awards are open to U of T students and may be of particular interest Engineering students. (This is a sample of what is available, for more

information see your division awards board) If you have above 70% average you stand a good chance of being eligible for an award so get out there and

University of Toronto Student Awards

Field of study/level: open .

Conditions: To be awarded to a student on the basis of

of financial need

Categories of eligibility:

-war veterans and their sons and daughters

-ordinary members of a Legion and their

sons and daughters

-associate members of the Legion and their

sons and daughters

-Ladies' Auxiliary members and their

sons and daughters

Value: up to \$700

Donor: The Royal Canadian Legion, Ontario Provincial Command Charitable Foundation and The Ladies' Auxiliary of the Royal Canadian Legion, Ontario Provincial Command.

Application Forms: more detailed information and application forms

available from the: Office of Student Awards

214 College Street

University of Toronto

Canadian Society of Exploration Geophysicists Trust Fund General Requirements: - a student must be pursuing a course of studies directed towards a career in exploration Geophysics in industry, teaching, or research. - an applicant may be either an undergraduate student whose grades are above average, or a graduate student - certain scholarships administered by the Trust Fund impose additional qualifications

To apply: Complete the questionnaire and mail to:

Scholarship Committee Canadian Society of Exploration Geophysicists Trust Fund 501,206 - 7th Avenue S.W. Calgary, Alberta T2P OW7

Applications are available from The Office of Student Awards. Applications must be recieved by June 30th. Two letters of recommendation should be included, written by faculty members. A letter of reference from a past or current employer is also desirable.

SPIE Educational Grants and Scholarships

SPIE- The International Society for Optical Engineering will award more than \$58,000 in grants to educational institutions and scholarships to individual students in 1988. According to Warren J. Smith, Chairman of SPIE's Education Committee, the awards will range from \$500 to \$5000 each. Grants to educational institutions are for academic use, including student travel and equipment purchases. Individual scholarship awards are for educational purposes with final selections based upon an assessment of the student's potential contributions to optical or optoelectronic applied science and engineering. Since 1978, SPIE has awarded over \$350,000 in grants and scholarships to promote educational excellence in the fields of optical and optoelectrical engineering. Applications for the 1988 awards are available by writing Mr. Warren J. Smith SPIE Education Committee P.O. Box 10 Bellingham, WA 98227-0010

Applications must be received by May 2, 1988.

CIM Toronto Branch Bursary Award

The Toronto Branch of the Canadian Institute of Mining and Metallurgy (CIM) is offering annually one bursary to undergraduate students from universities in the Toronto area proceeding fron first year to second year or second year to third year of a mineral or earth sciences program. The bursary is for \$2,000 and is renewable for subsequent years of the undergraduate program. Renewal of the award is subject

- maintaining a high grade (for the year) of 70% or bigher

- continued enrollment in a mineral sciences program, such as exploration geology, metallurgical engineering, mineral engineering, geotechnical engineering and mining.

Thus, a recipient entering second year is eligeable for a total award of \$6,000 over 3 years.

Application requirements are:

1. a completed application form, available in the Geoengineering office

2. a letter from the applicant outlining personal experience and career

3. an official transcript of marks, including fall term, from the current school year

Deadline: March 18, 1988

Send to: CIM Toronto Branch c/o The Secretary 111 Richmond St. W.

Suite 114

Toronto, Ontario M5H 2G4

The Stewart Wilson Award

Applicants for the award must be registered in the first or second year of the Faculty of Applied Science and Engineering in the current session and be members of New College, either resident or non-resident. The award is of an amount sufficient to cover the annual residence fee of New College (\$3561.00 in 1986/7). The winner must proceed to the second and third year of Engineering and live in the New College Residence. Candidates will be considered with respect to the following: -academic ability, financial need, leadership qualities, and contribution to College activities. Interested students should complete the application and submit it to the Registrar, Rm. 107, 300 Huron St., by May 15. A letter of reference from a member of the University of Toronto Community must be included. (This letter should be sent directly to the Registrar from the writer).

The Toronto Business and Professional Women's Club Conditions of the award: Women who are permanent residents of Metropolitan Toronto may apply for financial assistance from The Toronto Business and Professional Women's Club Bursary Fund.

To be eligable, an applicant must be cnrolled in a post-secondary or graduate educational program in Metropolitan Toronto with a view to obtaining a recognized degree, diploma or certificate. The applicant must show academic ability, financial need, and must be a Canadian Citizen or landed immigrant. Preference will be given to mature women. If a recipient is enrolled in an Engineering or technology program she will receive the financial assistance in memory of Elsie Gregory MacGill, P.Eng., a member of the Toronto Club, a bigbly respected consulting engineer, and a member of the Commission on the Status of Women. Applications are available from Student Awards

